

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1. (currently amended) An electronic apparatus ~~equipped with at least~~comprising:

a first transmission unit ~~for performing that performs~~ a first communication by ~~an~~ a first electromagnetic wave;

a second transmission unit ~~for performing that performs~~ a second communication by ~~an~~ a second electromagnetic wave; ~~and~~

a reception unit ~~for receiving a signal transmitted that receives said second electromagnetic wave~~ from said second transmission unit; ~~and wherein:~~

~~said electronic apparatus is comprised of:~~ an antenna in which a diameter of a sphere including a radiator that defines a sphere, where the diameter of the sphere is smaller than  $1/(2\pi)$  of a wavelength of an said second electromagnetic wave used in either said second transmission unit or said reception unit.

2. (currently amended) An electronic apparatus, as claimed in claim 1 ~~wherein: wherein~~ said antenna is ~~constituted by the radiator; and further comprises a reactance element for canceling that cancels~~ a reactance component of said radiator.

3. (currently amended) An electronic apparatus, as claimed in claim 1 wherein:

said first transmission unit, said second transmission unit, or either a partial circuit or all circuits of said reception unit are constructed on a semiconductor integrated circuit; and

either a portion or all of reactance components of the radiator ~~of said antenna~~ are canceled by both a reactance component ~~owned by of~~ a wiring line on said semiconductor integrated circuit, and a reactance component ~~owned by of~~ a wiring line ~~defined from between~~ said semiconductor integrated circuit ~~up to and~~ the radiator ~~of the antenna~~.

4. (currently amended) An electronic apparatus ~~equipped with at least~~ comprising:

a first transmission unit ~~for performing that performs~~ a first communication by ~~an a first~~ electromagnetic wave;

a second transmission unit ~~for performing that performs~~ a second communication by ~~an a second~~ electromagnetic wave; ~~and~~

a reception unit ~~for receiving that receives~~ a signal transmitted from said second ~~electromagnetic wave transmission unit; wherein:~~

~~said electronic apparatus is comprised of:~~

an antenna ~~in which a diameter of a sphere including a radiator that defines a sphere, where the diameter of the sphere is smaller than  $1/(2\pi)$  of a wavelength of an said second electromagnetic wave used in either said second transmission unit or said reception unit;~~

~~an evaluation unit means for evaluating that evaluates~~ a reception condition of said reception unit;

~~a control unit means for controlling that controls~~ a frequency of an ~~said second electromagnetic wave transmitted by said second transmission unit~~; and

~~a feedback unit means for feeding that feeds~~ back an evaluation result made by said evaluation ~~unit means~~ to said control ~~unit means~~.

5. (currently amended) An electronic apparatus as claimed in claim 1, wherein:

~~a shape of the said radiator of said antenna is~~ has a line shape.

6. (currently amended) An electronic apparatus as claimed in claim 1, wherein:

~~the said radiator of said antenna is constituted by~~ comprises a printed pattern ~~formed~~ on a printed circuit board.

7. (currently amended) A wireless communication terminal comprising:

a first housing unit;

a second housing unit;

a coupling unit ~~for coupling that couples~~ said first housing unit to said second housing unit in such a manner that a positional relationship between said first housing unit and said second housing unit is changeable;

an external wireless communication-purpose antenna ~~which is mounted~~ on either said first housing unit or said second housing unit;

an external wireless communication control unit mounted on said first housing unit, ~~for mainly controlling~~ that controls an external wireless communication performed via said external wireless communication-purpose antenna;

a display unit mounted on said second housing unit;

a first internal wireless communication control unit mounted on said first housing unit, ~~for controlling~~ that controls an internal wireless communication executed between said first housing unit and said second housing unit;

a second internal wireless communication control unit mounted on said second housing unit, ~~for controlling~~ that controls an internal wireless communication executed between said first housing unit and said second housing unit;

a first internal wireless communication-purpose antenna mounted on said first housing unit, ~~in which a diameter of a sphere including~~ that includes a radiator defining a first sphere, where the diameter of the first sphere is smaller than  $1/(2\pi)$  of a wavelength of an electromagnetic wave used in said internal wireless communication;

a second internal wireless communication-purpose antenna mounted on said second housing unit that includes a, ~~in which the diameter of the sphere including the radiator~~ defining a second sphere, where the diameter of the second sphere is smaller than  $1/(2\pi)$  of the wavelength of the electromagnetic wave used in said internal wireless communication; and

an internal wireless timing control unit ~~for controlling~~ that controls transmission timing of the electromagnetic wave ~~transmitted~~ used in said internal wireless communication based upon transmission timing of ~~the~~ an electromagnetic wave transmitted via said external wireless communication-purpose antenna.